

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I hereby claim the benefit under Title 35, United States Code, 119(e) of any United States provisional application(s) identified below:

**Provisional application No. 60/461,697, filed on April 10, 2003.**

I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **Beam Shaping And Practical Methods Of Reducing Loss Associated With Mating External Sources And Optics To Thin Silicon Waveguides**, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Attorney Name(s): Wendy W. Koba, Esq.      Reg. No.: 30509

Telephone calls should be made to Wendy W. Koba at:

Phone No.: 610-346-7112

Fax No.: 610-346-8189

All written communications are to be addressed to:

Wendy W. Koba, Esq.

PO Box 556

Springtown, PA 18081

Full name of 1st joint inventor: Margaret Ghiron

Inventor's  
signature Margaret Ghiron Date 11/17/03

Residence: Allentown, Lehigh County, Pennsylvania

Citizenship: United States of America

Post Office Address: 1875 Sherwood Road  
Allentown, Pennsylvania 18103

Full name of 2nd joint inventor: Prakash Gothoskar

Inventor's  
signature Prakash Gothoskar Date 11/17/03

Residence: Allentown, Lehigh County, Pennsylvania

Citizenship: India

Post Office Address: 6749 Windermere Court  
Allentown, Pennsylvania 18104

Full name of 3rd joint inventor: Robert Keith Montgomery

Inventor's  
signature Robert Keith Montgomery Date 11-17-03

Residence: Easton, Northampton County, Pennsylvania

Citizenship: United States of America

Post Office Address: 810 Howe Street  
Easton, Pennsylvania 18040

Full name of 4th joint inventor: Vipulkumar Patel

Inventor's signature Vipulkumar Patel Date 11/17/2003

Residence: Monmouth Junction, Middlesex County, Pennsylvania

Citizenship: United States of America

Post Office Address: 607 Falcongate Drive  
Monmouth Junction, NJ 08852

Full name of 5th joint inventor: Soham Pathak

Inventor's signature Soham Pathak Date 11/17/03

Residence: Allentown, Lehigh County, Pennsylvania

Citizenship: United States of America

Post Office Address: 6099 Palomino Drive  
Allentown, Pennsylvania 18106

Full name of 6<sup>th</sup> joint inventor: Kalpendu Shastri

Inventor's signature Kalpendu Shastri Date 11/17/03

Residence: Orefield, Lehigh County, Pennsylvania

Citizenship: United States of America

Post Office Address: 5529 Willow Way  
Orefield, Pennsylvania 18069

Full name of 7<sup>th</sup> joint inventor: Katherine A. Yanushefski

Inventor's  
signature Katherine A. Yanushefski Date 11/17/2003

Residence: Zionsville, Berks County, Pennsylvania

Citizenship: United States of America

Post Office Address: 7487 Stein Road  
Zionsville, Pennsylvania 18092